

Figure 1

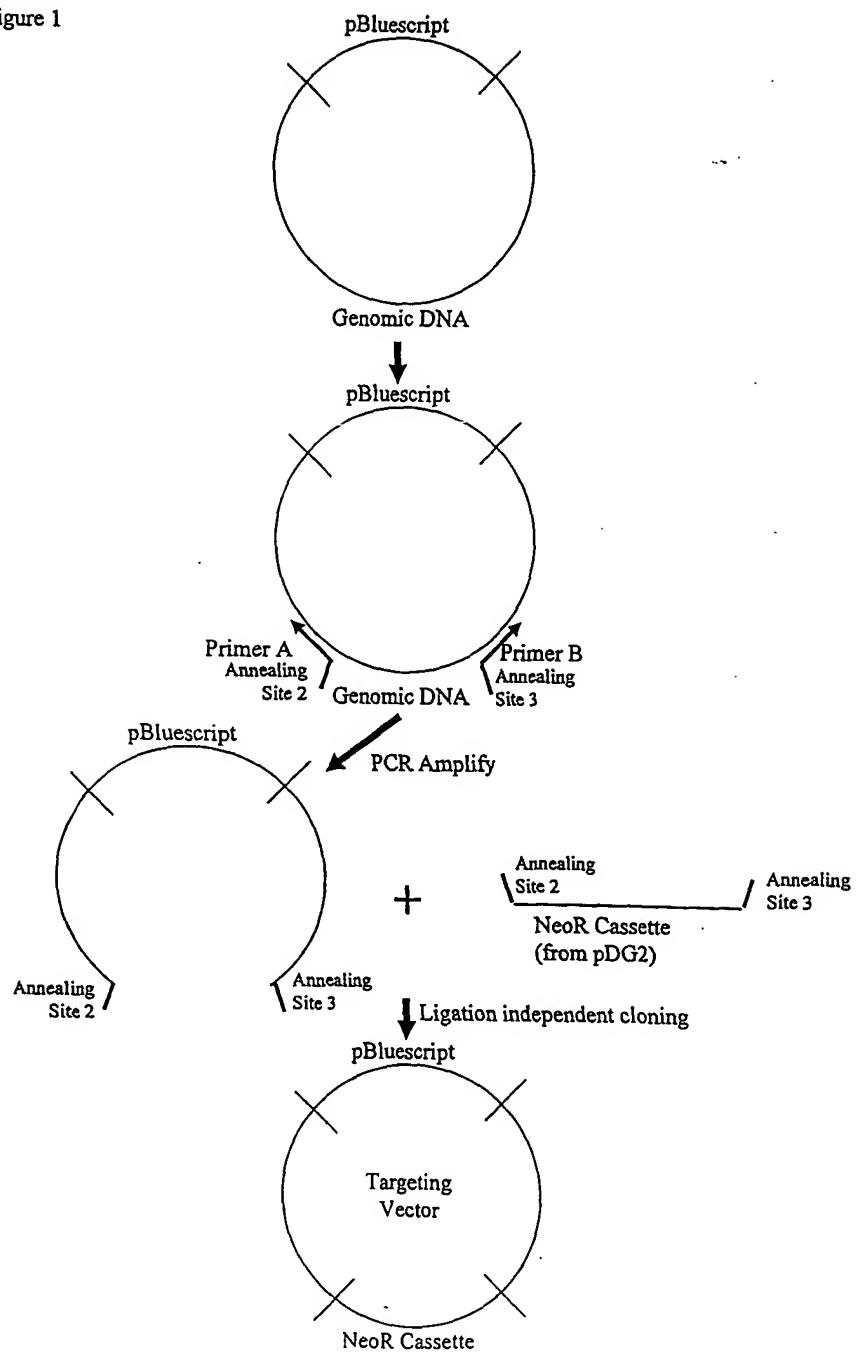
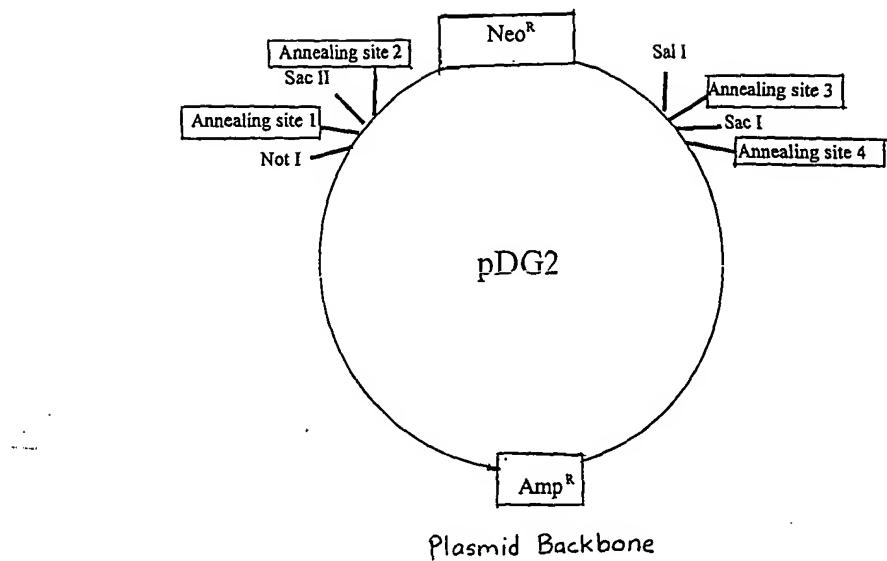


Figure 2A



pDG2:

Fig 2B

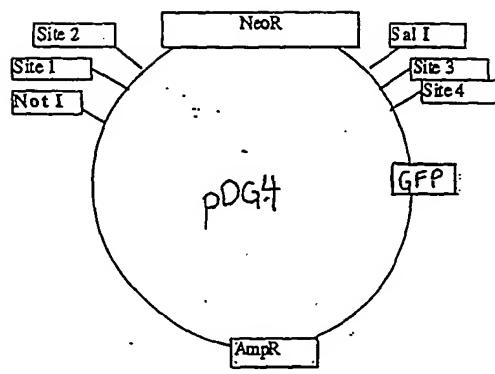


Fig 3A

PDG4-

Fig 3B

Annealing site	Sequence	Sequence after digestion
1	5' tgcgtccctttgggttggccaa... 3' 3' acacgaggagaaaccgaacgaaggtt... 5'	5' tgcgtccctttgggttggccaa... 3' 3' tt... 5'
2	5' ctgggtttgtctggcttggccaa... 3' 3' gaccaagaacagacccaaaccgggtt... 5'	5' ctgggtttgtctggcttggccaa... 3' 3' tt... 5'
3	5' ggtcctcgctctgtgtccgttcaa... 3' 3' ccagagcgagacacaggcaactt... 5'	5' ggtcctcgctctgtgtccgttcaa... 3' 3' tt... 5'
4	5' tttgcgtgtccctgtgtcgaa... 3' 3' aaacgcacaggacacagcagtt... 5'	5' tttgcgtgtccctgtgtcgaa... 3' 3' tt... 5'

Fig 4

Annealing site	Sequence	Sequence after digestion
1	5' AAtgtgctcctttggcttgc 3' 3' Ttacacgaggagaaacccaaacgagg 5'	5' AA 3' Ttacacgaggagaaacccaaacgagg 5'
2	5' AAActggttcttgtctggcttggcCCG 3' 3' Ttgaccaagaacagacccaaacccggg 5'	5' AA 3' Ttgaccaagaacagacccaaacccggg 5'
3	5' AAggtcctcgctctgtgtccgttGAGCT 3' 3' Ttccaggagcgagacacaggcaac 5'	5' AA 3' Ttccaggagcgagacacaggcaac 5'
4	5' AAttgcgtgtcctgtcgtcGAGCT 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' Ttaaacgcacaggacacagcagc 5'

Fig 5

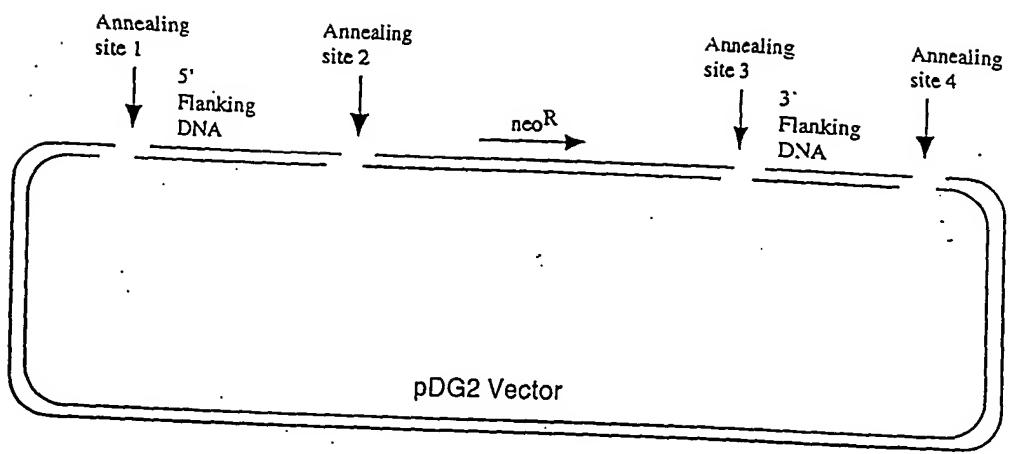


Fig 6

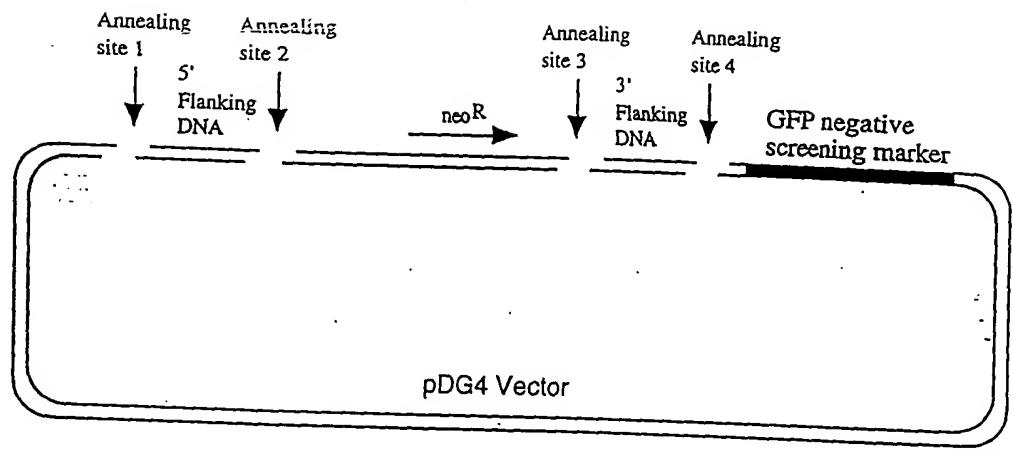


Fig 7

<u>Oligo#</u>	<u>Sequence (5' to 3')</u>
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgcctctttggcttgcttccATTAAACCTCACTAAAGGGAACGAAT
463	ctggttctgtctggcttgcccaaTGCAACAGGTTCCCTGAGCGGTCA
464	ggtcctcgctctgtgtccgttgaacCTCAAGCTGGCTACTATGCCTAT
42	tttgcgtgtccctgtgtcgtaacGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTGGAAC
155	GTTCTGGCAAACAAATTGGCGCAC
454	tgtgcctctttggcttgcttccATTAAACCTCACTAAAGGGAACGAAT
465	ctggttctgtctggcttgcccaaGTTCCAAAAGTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaGTGCGCCGAATTGTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTTGTCT
41	tgtgcctctttggcttgcttgcgttgaCGACTAATACGACTCACTATAGGGCG
38	ctggttctgtctggcttgcccaaGAAGTAACTGGCACACCAAGGTT
40	ggtcctcgctctgtgtccgttgaAGAACAAAGGGGTTCAGCCAAAGTT
37	tttgcgtgtccctgtgtcgAAATTAAACCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCTACTACTGGGCC
546	TGTCTAGTAGACAGCGATGGAACG
445	GACAAGAACCAAGTTGACGTCAAGCTTCCGGGACGCGTGCTAGCGCGCGCCG
667	ctggttctgtctggcttgcccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaCGTTCCATCGCTGTCTACTATGACA
907	ctggttctgtctggcttgcccaaAAAGCCGACAGCCACGCTCACAAAGC
908	ggtcctcgctctgtgtccgttgaGCCAATGCCACAGAGACAGAACATGT
1157	ctggttctgtctggcttgcccaaGTTGGATCCTCTCCAAGGCCCCATCT
1158	ggtcctcgctctgtgtccgttgaCTCCAGTGGCGAGTGTGAGGACAG

Figure 8